

ABSTRACT OF THE DISCLOSURE

An improved vortex inhibitor for separating slag from molten metal during the discharge of molten metal through a nozzle includes a uniform castable refractory body with a generally tapering shape, a hollow chamber within the body and an elongated sacrificial member. The hollow chamber receives the sacrificial member or a mount for the sacrificial member. The refractory body and the sacrificial member combination in molten metal has a specific gravity less than the specific gravity of molten metal and is positioned narrow end downward when supported in molten metal. The hollow chamber can fill with molten metal to form a core that aids in orienting the body in a narrow end downward position. The sacrificial member align the with the area in which the vortex forms and minimizes interference with the flow through the discharge nozzle. The body preferably includes swirl obstructing surfaces.